



# STIP Project No. I-5715

## Interchange Improvements on I-77 at N.C. 73 (Sam Furr Road)



February 5, 2018

### Project Description and Purpose

The N.C. Department of Transportation proposes to reconfigure the I-77 and N.C. 73 (Sam Furr Road) interchange. The purpose of this project is to improve mobility and connectivity for local traffic accessing properties adjacent to this interchange. A secondary purpose is to reduce delay and congestion on N.C. 73 through the I-77/N.C. 73 interchange.

The new interchange design is called a "split diamond." As part of this design, the existing ramps will remain in approximately their same locations, and two new bridges will be added across I-77. The northern crossing will connect with the I-77 ramps with roundabouts on both sides. On the east end, the roundabout will also connect to Caldwell Creek Drive. Two alternatives for the eastern roundabout, a four and a five leg roundabout, are under consideration.

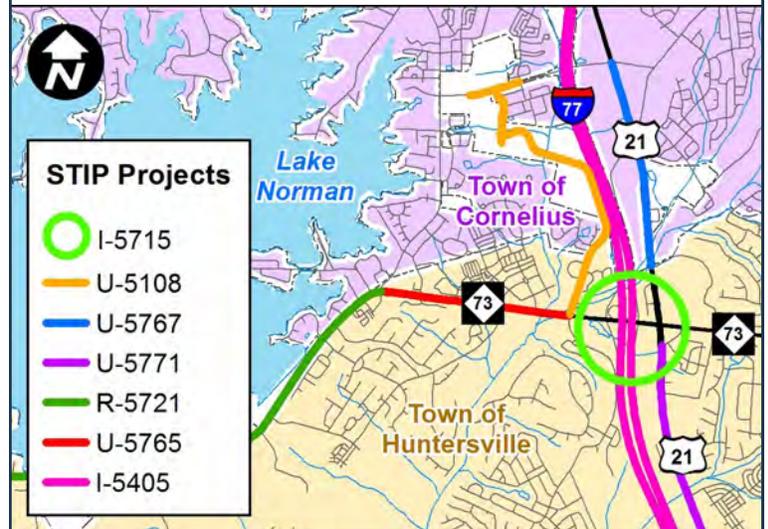
The southern crossing will connect Northcross Drive and U.S. 21 (Statesville Road), using a loop on the west side and a roundabout on the east side. Drivers using the I-77 northbound off-ramp will have the choice to access the new crossing or go directly to N.C. 73.

On N.C. 73 (Sam Furr Road), an additional eastbound through lane is proposed. With this additional lane, as well as needed turn lanes and potential multi-modal facilities, the bridge is proposed to be widened.

Pedestrian and bike accommodations are being considered as part of this project contingent on a cost-share agreement between NCDOT and the municipality.

### Funded STIP Projects in the Vicinity

- **Extension of Northcross Drive on New Location: STIP Project U-5108**  
Extend Northcross Drive on new location from its end near N.C. 73 to Westmoreland Road. ROW acquisition is scheduled in September 2018 and construction in March 2020.
- **N.C. 73 Widening: STIP Projects U-5765 and R-5721**  
Widen N.C. 73 from Northcross Drive to N.C. 16. See project handout for ROW and construction dates.
- **U.S. 21 Widening: STIP Projects U-5767 and U-5771**  
Widen U.S. 21 from Northcross Center Court to Westmoreland Road and from Gilead Road to Holly Point Drive. ROW acquisition is scheduled in December 2019 and construction in December 2021.
- **I-77 Managed Lanes: STIP Project I-5405**  
Construction is underway to add managed lanes on I-77 from the Brookshire Freeway to Catawba Ave.



### For More Information, Please Contact

Maps online: [www.ncdot.gov/projects/publicmeetings/](http://www.ncdot.gov/projects/publicmeetings/)

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### Next Steps

Right-of-way acquisition is scheduled to begin in Summer 2019 and construction in Summer 2020 at an estimated construction cost of \$16 million.

Please submit any comments you have on the project today with the attached form, or via mail or email to Teresa Gresham by **March 16, 2018**.



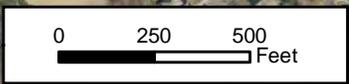
Project limits tie into I-77 approximately 900 feet North



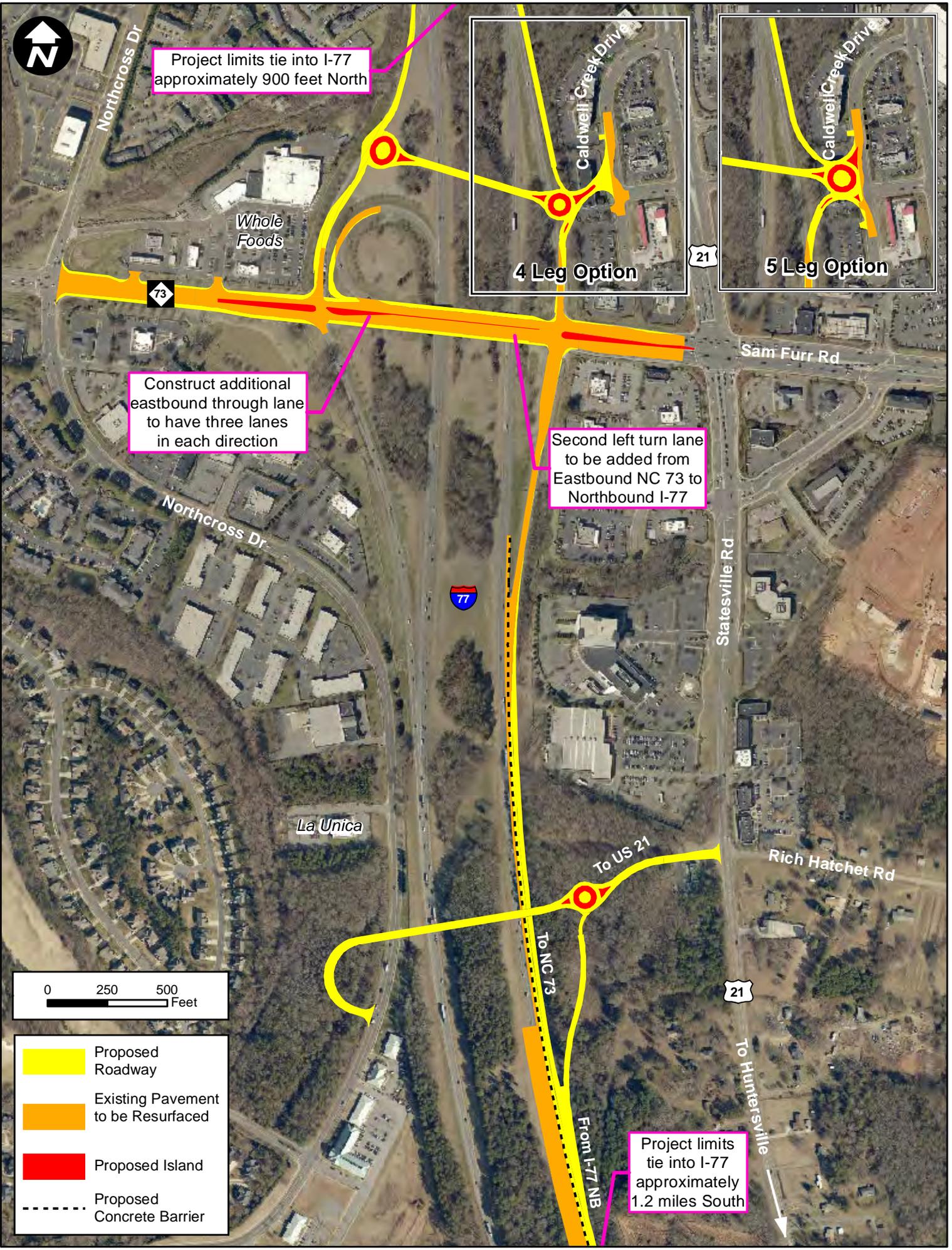
Construct additional eastbound through lane to have three lanes in each direction

Second left turn lane to be added from Eastbound NC 73 to Northbound I-77

Project limits tie into I-77 approximately 1.2 miles South



- Proposed Roadway
- Existing Pavement to be Resurfaced
- Proposed Island
- Proposed Concrete Barrier







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